Claims

I claim:

1. A distributed system comprising:

a plurality of cooperative processes running on a plurality of processors of a computer network to accomplish a distributed transaction, each process logging in a local resource records of execution; and

a search engine running on each of the plurality of processors, each search engine retrieving corresponding records of execution in response to a query.

2. A distributed system as in Claim 1, wherein the query is issued to the processors as a distributed query.

3. A distributed system as in Claim 1, wherein the query is issued from a client performing debugging of the distributed system.

4. A distributed system as in Claim 1, wherein the query is issued from a client performing an audit trail of distributed transactions.

5. A distributed system as in Claim 1, wherein the query is issued from a client performing monitoring of a manufacturing process.

6. A distributed system as in Claim 1, wherein the query is issued from a client performing monitoring of a business process.

7. A distributed system as in Claim 1, wherein the query is issued from a client performing application integration.

8. A distributed system as in Claim 1, wherein the query is issued from a client which merges the results received from search engines responding to the query.

9. A distributed system as in Claim 8, wherein the client applies program rules on the merged results to determine correct operation of the distributed system.

10. A distributed system as in Claim 1, wherein each search engine generates indices to the records of execution.

11. A distributed system as in Claim 10, wherein the indices is created in memory.

12. A distributed system as in Claim 11, wherein a portion of the indices are stored onto disk after a specified time period.

13. A distributed system as in Claim 11, wherein the indices in memory and the portion of the indices stored onto disk are merged from time to time.

14. A method for analyzing a distributed system, comprising:

running a plurality of cooperative processes on a plurality of processors of a computer network to accomplish a distributed transaction, each process logging in a local resource records of execution; and

running a search engine on each of the plurality of processors, each search engine retrieving corresponding records of execution in response to a query.

15. A method as in Claim 14, wherein the query is issued to the processors as a distributed query.

16. A method as in Claim 14, wherein the query is issued from a client performing debugging of the distributed system.

17. A method as in Claim 14, wherein the query is issued from a client performing an audit trail of distributed transactions.

18. A method as in Claim 14, wherein the query is issued from a client performing monitoring of a manufacturing process.

19. A method as in Claim 14, wherein the query is issued from a client performing monitoring of a business process.

20. A method as in Claim 14, wherein the query is issued from a client performing application integration.

21. A method as in Claim 14, wherein the query is issued from a client, further comprising merging in the client the results received from search engines responding to the query.

22. A method as in Claim 21, further comprising applying in the client program rules on the merged results to determine correct operation of the distributed system.

23. A method as in Claim 14, further comprising generating in each search engine indices to the records of execution.

24. A method as in Claim 23, wherein the indices are created in memory.

25. A method as in Claim 24, further comprising storing a portion of the indices onto disk after a specified time period.

26. A method as in Claim 25, further comprising merging, from time to time, the indices in memory and the portion of the indices stored onto disk.